

Recombinant Human GPX3, FLAG-tagged

Cat. No. GPX3-29075TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Glutathione Peroxidase 3 with an N terminal DDDDK tag; MWt 30 kDa .
Species	Human
Source	HEK293
ProteinLength	206 amino acids
Description	This gene product belongs to the glutathione peroxidase family, which functions in the detoxification of hydrogen peroxide. It contains a selenocysteine (Sec) residue at its active site. The selenocysteine is encoded by the UGA codon, which normally signals translation termination. The 3 UTR of Sec-containing genes have a common stem-loop structure, the sec insertion sequence (SECIS), which is necessary for the recognition of UGA as a Sec codon rather than as a stop signal.
Conjugation	FLAG
Molecular Weight	30.000kDa inclusive of tags
Tissue specificity	Secreted in plasma.
Form	Liquid
Purity	>90% by SDS-PAGE

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Storage buffer	Preservative: None Constituents: PBS, pH 7.2
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequence Similarities	Belongs to the glutathione peroxidase family.
GENE INFORMATION	
Gene Name	GPX3 glutathione peroxidase 3 (plasma) [Homo sapiens]
Official Symbol	GPX3
Synonyms	GPX3; glutathione peroxidase 3 (plasma); glutathione peroxidase 3;
Gene ID	2878
mRNA Refseq	NM_002084
Protein Refseq	NP_002075
MIM	138321
Uniprot ID	P22352
Chromosome Location	5q23
Pathway	Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; Folate Metabolism, organism-specific biosystem; Glutathione metabolism, organism-specific biosystem; Glutathione metabolism, organism-specific biosystem;

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Function

glutathione binding; glutathione peroxidase activity; glutathione peroxidase activity;
oxidoreductase activity; selenium binding;

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